Canadian Journal of Microbiology

Author Index Volume 44, 1998

Revue canadienne de microbiologie

Charrier, M., 20 Chauret, C., 1154

Index des auteurs Volume 44, 1998

Abbott, S.P., 270 Abraham, L., 698 Abrahão-Neto, J., 6 Ahmad, D., 42 Ahn, M.Y., 423 Aitken, M.D., 743 Akin, D.E., 872 Akkermans, A.D.L., 140 Alangaden, G.J., 74 Alban, P.S., 87 Aldridge, P., 657 Alexander, S., 356 Allen, D.G., 537 Altman, E., 896 Annis, S.L., 80 April, T.M., 270 Aragno, M., 0 Archambault, C., 989 Ardon, O., 676 Arhin, F.F., 56 Arino, S., 238 Arnal, C., 298 Aron, G.M., 702 Asther, M., 945 Atkinson, A., 386 AuYong, Y., 356 Avguštin, G., 1094 Babink, L.A., 784 Baer, D., 852 Bageshwar, U.K., 405 Bahirathan, M., 1066 Bajpai, U., 681 Baldani, J.I., 12 Baldwin, J., 687 Balegno, H., 416, 929 Ballen, K.G., 582 Barbeau, J., 1019 Barc, M.-C., 157 Barcellos, F.G., 1137 Bardage, S.L., 954 Bardi, L., 1171 Barker, J.S.F., 279 Barkun, A.N., 201 Barriault, D., 42 Barros, A.O., 487 Bashan, Y., 168 Bazzicalupo, M., 1110

Becker, P.M., 211, 913

Beech, R.N., 201

Bell, C., 588

Benada, O., 1007 Bent, B., 980 Bernhard, F., 657 Bérubé, L.R., 448 Besse, B., 298 Bidochka, M.J., 351 Biesenthal, C.J., 547 Billaudel, S., 298 Bjurman, J., 575, 954 Bland, J.M., 514 Bohland, M., 399 Bolton, A.J., 784 Borrell, N., 103 Bos, N.A., 1177 Bothe, H., 181 Bottone, E., 390 Bouchet, B., 1193 Bouchonneau, M., 1193 Bourlioux, P., 157 Bowers, J.H., 582, 768 Bowies, J.M., 279 Bowles, J.M., 718 Bredholt, H., 330 Breierová, E., 116 Bremond, K., 1193 Breuil, C., 698 Bruce, A.W., 866 Bruheim, P., 195, 330 Bruneteau, M., 477 Bugert, P., 657 Burlat, V., 945 Butler, M.J., 1115 Byers, J.R., 259 Cabirol, N., 1142 Campion, C., 221 Carbonell, T., 886 Carv. J.W., 514 Casellas, M., 734 Castignetti, D., 521 Castro-Prado, M.A.A., 1037 Catroux, G., 795 Caudales, R., 386 Caumette, P., 974 Cerba, J.J., 1177 Chagnon, F., 1012 Chambon, P., 1142 Chander, M., 759 Chandler, M.S., 91 Chanway, C., 980

Chen, C.-G., 149 Chen, P., 1154 Chen, S.-H., 743 Chiu, K., 390 Choudhury, N.R., 405 Choudhury, P., 186 Christie, B.R., 162 Cleveland, T.E., 514 Cole, A., 373 Collignon, A., 157 Coloccia, P., 989 Combet-Blanc, Y., 20 Conlan, J.W., 800 Coplin, D.L., 657 Corti, A., 289 Coulton, J.W., 56 Crawford, D.L., 364 Crivelli, C., 1171 Currah, R.S., 270 Curran, T.M., 1078 Cusick, Jr., F., 50 Dargent, R., 937 Das, H.K., 405 da Silva, W.B., 493 Daxhelet, G., 1186 Day, A.W., 1115 Day, F., 394 de Araújo, E.F., 487 de Azevedo, J.L., 1137 de Barros, E.G., 487 de Freitas, J.R., 844 De Lucca, A.J., 514 Denis, J.-B., 795 Dennis, D., 687 de Queiroz, M.V., 487 Devenish, J., 28 De Vos. P., 1148 Dillon, J.R., 303 Dimmock, J.R., 74 Douglas (Schultze), S., 128 Ebert, S., 1060 Eimhjellen, K., 195, 330 Eling, W.M.C., 1177 Eisele, J.G., 872 Eriksson, K.-E.L., 872 Es-Sgaouri, Z., 937 Faldynova, M., 1183 Fallone, C.A., 201 Fanedl, L., 1094

Chao, D.-C., 149

Kiéné, L., 190

Farhana, L., 920 Farrinelli, P., 289 Fedorak, P.M., 605 Ferenczy, L., 959 Ferre-Aubineau, V., 298 Fesefeldt, A., 181 Figueras, M.J., 103, 998 Fink, P.S., 91 Finlay, B.B., 313 Fischer, S., 416 Foght, J.M., 270, 1060 Fogliano, V., 0 Fonvieille, J.L., 937 Fortin, N., 537 Fouillet, B., 1142 Frändberg, E., 121 Frassinetti, S., 289 Fujioka, R.S., 598 Fulthorpe, R.R., 482, 537, 920 Fungaro, M.H.P., 1137 Furlaneto, M.C., 1137 Gallant, D.J., 1193 Gancheva, A., 175 Ganguli, A., 1110 Gantzer, C., 190 Gao, Y., 698 Garabito, M.J., 95 Garduño, R.A., 430 Gauthier, C., 1019 Gealt, M.A., 667 Geider, K., 657 Gerba, C.P., 598 Germida, J.J., 844 Gilgan, M.W., 456 Gilot, P., 1186 Glick, B.R., 64, 833 Gliesche, C.G., 181 Gómez-Eichelmann, M.C., 565 Goris, J., 1148 Göttke, M.U., 201 Gow, J.A., 251 Graham, L.L., 244 Graham, P.H., 582 Greer, C.W., 537 Griffith, M., 64 Grifoll, M., 734 Grimm, C., 514 Groeneweg, J., 399 Gross, C., 341 Guarro, J., 103, 998 Gudmestad, N.C., 852 Guillaumin, J.J., 231 Guimarães, W.V., 487 Guyoneaud, R., 974 Gyles, C., 28 Haahtela, K., 499 Hadar, Y., 676 Hall, B., 687

Harbour, C., 920

Hardham, A.R., 1154

Harnett, N., 356 Hartmann, A., 12 Havliček, V., 1007 Heidt, P.J., 1177 Hein, P., 42 Heller, O., 399 Hermsen, C.C., 1177 Hindsgaul, O., 307 Hoet, P., 1186 Hoffman, B., 698 Hoffman, P.S., 430 Holl, F.B., 1102 Hoshino, T., 1051 Hosono, A., 1029 Hu, B., 707 Hu, K., 1072 Hucl, P.J., 844 Hurtubise, Y., 42 Hynes, M.F., 259 Ikeda, K., 630 Inza, I., 998 Irvin, R.T., 307 Ishizaki, K., 1051 Israel, D.W., 753 Istokovics, A., 1051 Izumi, K., 1051 Jabaji-Hare, S., 989 Jacks, T.J., 514 Jacob, F., 1142 Janda, L., 1007 Janse, J.D., 140 Jansen, P., 399 Jarrell, H.C., 448 Jaynes, J.M., 514 Jean, W.D., 637 Jenkins, G.S., 91 Ji, D.-D., 149 Jiang, M., 784 Jiao, H., 307 Jofré, E., 416, 929 Johnson, J.A., 1003 Jones, R.K., 582 Jørgensen, K.S., 499 Josefsen, K., 330 Jouishomme, H., 448 Jung, E.-A., 423 Kabilan, V., 646 Kamei, Y., 789 Kapoor, M., 471 Karjalainen, T., 157 Karpiskova, R., 1183 Kazunga, C., 743 Kerem, Z., 676 Kermasha, S., 989 Kersters, K., 1148 Kevei, E., 569 Keyser, H., 382 Khachatourians, G.G., 259 Khakhria, R., 356 Khanna, S., 681

Kim, D.-H., 423 Kim, Y.S., 423 Kimura, M., 630 Kinkel, L.L., 768 Kirchhof, G., 12 Klauth, P., 399 Klein, I., 399 Kloos, K., 181 Koechlein, D.J., 910 Kofroňová, O., 1007 Komatsubara, S., 1 Koulali, Y., 937 Kozakiewicz, Z., 569 Krakowski, M., 1012 Krieg, N.R., 87, 910 Krishnan, C., 356 Kropp, K.G., 605 Kucsera, J., 959 Kuhad, R.C., 681 Kumar, R., 186 Kumaresan, V., 1003 Kurtzman, C.P., 965 Kwong, Y.T.J., 825 Lachance, C., 1012 Lachance, M.-A., 279, 718 Lacoste, L., 378 Laliberté, J.-F., 1012 Lamarre, A., 1012 LaMarre, J., 28 Lapointe, J., 378 Latta, R.K., 896 Lavina, M., 692 Lawley, T., 588 Lawrence, J.R., 623, 825 Leander, M., 482 Lee, F., 149 Lee, J.W., 394 Lejeune, B., 1137 Lemmer, H., 181 Li, J., 833, 1072 Lin, H., 1072 Lin, Z., 652 Linhardt, R.J., 423 Liu, Y.-T., 149 Ljubenov, M., 175 Lloyd, D., 819 Loewen, P.C., 707 Logrieco, A., 0 Lopez-Llorca, L.V., 886 Lueking, D.R., 1086 Lui, Y.-T., 149 Lyon, G.D., 777 Ma, Y., 1078 MacDonald, K.L., 244 Machová, E., 116 MacLachlan, R.A., 784 Maloviková, A., 116 Manavathu, E.K., 74 Marchal, R., 238

Marion, D., 945 Marks, L.J., 456 Márquez, M.C., 95 Marquis, R.E., 465, 1018, 1075 Martius, G.G.S., 211 Marzona, M., 1171 Matheson, B.G., 162 Mathivanan, N., 646 Mayrand, D., 303 McCann, M.P., 50 McCullen, C., 50 McLeod, S., 356 Meilus, M., 1037 Mével, G., 723 Meyer, W., 399 Mihelcic, J.R., 1086 Mills, E.L., 56 Minka, S., 477 Misra, A., 490 Mitev, V., 175 Miteva, V., 175 Mittelman, M., 866 Miyazaki, Y., 789 Moffatt, B.A., 833 Montevecchi, P., 289 Monti, S.M., 0 More, G., 416 Moreau, F., 56 Mori, G., 929 Morita, N., 1051 Moukha, S., 945 Murugesan, K., 646 Naffaa, W., 231 Nagarsheth, N., 390 Nagel, R.D., 743 Nakase, T., 1148 Naumov, G.I., 1045 Naumova, E.S., 1045 Neeno-Eckwall, E.C., 768 Nekrep, F.V., 1094 New, P.B., 920 Neyra, C.A., 386 Ng, J., 303 Ng, L.-K., 303 Nicole, M., 221 Nilsson, K., 575 Noble, L.D., 251 Nolan, K., 1154 Nour, M., 807 Nowak, J., 528, 806 Nyssen, E., 1186 Odenyo, A.A., 905 Ohta, Y., 109 Okuda, T., 1 Okuyama, H., 1051 Ollivier, B., 20 Olsen, P., 382 Olubayi, O., 386 Osaka, T., 441

Osuji, P.S., 905

Ouignon, E., 190 Ouimet, P.M., 471 Owens, T., 1012 Palmer, B., 373 Palop, A., 465, 1018 Panaccione, D.G., 80 Panunti, B., 50 Parker, S.L., 35 Patten, C.L., 64 Payment, P., 1019 Pedras, M.S.C., 547 Pelchat, M., 378 Peluso, G., 0 Pepper, I.L., 598 Peralta, R.M., 493 Perrier, J., 1142 Perry, M.B., 800 Petersson, S., 471 Petříček, M., 1007 Pfeiffer, E., 456 Pfeiffer, I., 959 Pizzirani-Kleiner, A.A., 1137 Poilane, I., 157 Polo, F., 998 Pospišil, S., 1007 Potter, A.A., 784 Powlowski, J., 42 Prieur, D., 723 Puente, L., 1066 Ouignon, F., 190 Quinn, F.D., 430 Rádis-Baptista, G., 6 Raina, R., 405 Rajendran, R., 109 Ramirez, M.E., 753 Ramírez-Santos, J., 565 Ramirez-Saad, H., 140 Randazzo, G., 0 Ravel, C., 231 Record, E., 945 Rees, E.M.R., 819 Reid, G., 866 Reis, V.M., 12 Revellin, C., 795 Reynolds, K.A., 598 Rhie, H.G., 687 Rice, W.A., 382 Rinyu, E., 569 Ritieni, A., 0 Rivarola, V., 416, 929 Robnett, C.J., 965 Robold, A.V., 1154 Rodriguez, E., 692 Roginsky, A., 521 Roll, K., 598 Rosa, C.A., 279, 718 Rossi, P., 0 Rouxel, F., 221 Ruel, K., 945 Rutherford, G.C., 465, 1018, 1078

Rychlik, I., 1183 Sabaté, J., 734 Saboo, V.M., 667 Sakagami, Y., 441 Salehuzzaman, S., 833 Sande, E., 382 Sarma, G., 490 Sattar, S., 1154 Sawada, M.T., 1051 Schlag-Edler, B., 279 Schnürer, J., 121, 471 Schottel, J.L., 768 Schur, M.J., 896 Schwartzbrod, L., 190 Schweizer, F., 307 Selinger, L.B., 259 Sen. A., 490 Sen. R., 499 Sethuraman, A., 872 Setlow, B., 759 Setlow, P., 759 Setti, L., 289 Seyfried, P., 1066 Shah, S., 833 Sharga, B.M., 777 Sharma, V.K., 528, 806 Shieh, W.Y., 637 Shimizu, K., 768 Shin, K.H., 423 Siciliano, S.D., 844 Simon, L., 1193 Singleton, P., 382 Sisak, F., 1183 Slaviková, E., 116 Smith, M.A., 351 Smits, H.J., 1177 Snel, J., 1177 Sniegowski, P.D., 1045 Snyder, R.A., 623 Soboh, F., 866 Soeder, C.J., 399 Solanas, A.M., 734 Solimeo, H.T., 50 Sowers, M.R., 0 Sparling, R., 652, 707 Springthorpe, S., 1154 Sreekumar, O., 1029 Starmer, W.T., 279, 718 Stewart, J.E., 456 Stottmeister, U., 211, 913 Stratilová, E., 116 Stringfellow, W.T., 743 Strutinsky, J., 707 Sturz, A.V., 162 Suryanarayanan, T.S., 1003 Suzuki, K.-i., 1148 Suzuki, S.-I., 1 Swerhone, G.D.W., 825 Sylvestre, M., 42 Takahashi, K., 1

- Talbot, P.J., 1012 Tappe, W., 399 Teland, A.J., 1060 Tesfave, M., 1102 Theoret, C.M., 844 Thomas, L., 364 Timonen, S., 499 Toida, T., 423 Tolson, D.L., 896 Tomaschewski, C., 399 Tóth, B., 569 Toyota, K., 630 Tripathi, A.K., 1110 Tripathi, R., 1110 Tsai, Y.-L., 35 Vadkertiová, R., 116 Valdivia, D.N.U., 6 Vallaeys, T., 482 Vallini, G., 289 Vandecasteele, J.-P., 238
- Varga, J., 569 Varghese, R., 490 Vashishtha, S.C., 74 Vatland, A., 330 Ventosa, A., 95 Vian, B., 221 Villemur, R., 1142 Voordouw, G., 1060 Walker, G.C., 554 Walsh, T.J., 514 Wan, J., 356 Wand, H., 211 Wang, W., 1072 Watson, K., 341 Weaver, E., 702 Webster, J.M., 1072 Weissbrodt, E., 211 Welsh, D.T., 974 West, T.P., 1106 Westlake, D.W.S., 1060

White, A.R., 852 Whitman, B.E., 1086 Wilhelm, R., 399 Williams, A.G., 819 Williams, J., 521 Willis, L.B., 554 Wilson, D.R., 313 Wollum II, A.G., 753 Wong, W.Y., 307 Worsham, P.L., 0 Wu, H., 1072 Wu, R.M., 373 Xu, H., 64 Yamasaki, T., 789 Yang, F., 378 Yumoto, I., 1051 Zaya, N., 521 Zhao, Z.-H., 441 Zwicker, B.M., 456

Canadian Journal of Microbiology

Subject Index Volume 44, 1998

Revue canadienne de microbiologie

Index des matières Volume 44, 1998

ACC, 833

ACC deaminase 833

Acetobacter diazotrophicus, 12

acetylation, 394

acid damage, 1078 acid drainage, 825

acidity, 582

Acinetobacter calcoaceticus, 681

Acremonium, 231

Actinobispora, 1

actinomycete, 1

activated sludge, 181

adhesion, 307, 330, 896, 954

Aeromonas, 103

agar-degrading bacteria, 637

Agaricus bisporus, 373

alginate beads, 490

n-alkanes, 330

allelopathy, 162

almond mesocarp, 886

Alterococcus agarolyticus, 637

amino acid transport, 784

1-aminocyclopropane-1-carboxylate, 833

aminopeptidases, 303

amylase, 493

amylovoran, 657

antagonist, 777

antibiotic resistance, 753

antibiotic susceptibility, 1066

antibiotics, 20

antifreeze protein, 64

antifungal, 74, 121, 162

Aquasprillum fasciculus, 910

Archaea, 652

ARDRA, 211

arginine deiminase, 1078

aromatic compounds, 872

Aspergillus, 390, 569

Aspergillus fumigatus, 74, 493

Aspergillus nidulans, 1037, 1137

Aspergillus oryzae, 6, 945

Aspergillus spp., 514

Aureobasidium pullulans, 1193

Azospirillum, 168, 386

Azospirillum brasilense, 416, 929, 1110

Azospirillum-root interaction, 416, 929

Azotobacter vinelandii, 405

Bacillus, 95, 759

Bacillus megaterium, 465

Bacillus sphaericus, 175

Bacillus subtilis, 378, 1186

Bacillus subtilis BS 107, 777

Bacillus thuringiensis, 259

bacteria, 195, 456, 789, 905

bacterial, 201

bacterial adherence, 448

bacterial alginate, 394

bacterial colonization, 630

bacterial spores, 465

bacteriophage M13, 313

Bacteroides stercoris, 423

BALB/c mice, 800

Bdellovibrio bacteriovorus, 50

beneficial bacteria, 168

benzo[a]pyrene, 743

betaine lipid, 1051 Bifidobacterium, 1094

Bifidobacterium longum, 1029

binding, 109

bioassays, 886

biocide, 1060

biodegradable, 687

biodegradation, 195, 289, 482, 605, 734,

biofilm, 181, 1019

biofilms, 623, 1078

Biolog, 211, 251, 499, 588, 844, 913

biolistic process, 1137

biological antagonism, 1154

biological control, 471

biomass conversion, 872

bioremediation, 270

bivalve molluscs, 456

blue stain, 954

Botrytis cinerea, 937

bovine mastitis, 784

Bradvrhizobium, 382, 753

Bradyrhizobium japonicum, 795

Brassica spp., 844

brown rot, 575

C57BL/6 mice, 800

calcium, 582

Campylobacter fetus, 244

Candida, 965

Candida albicans, 74

Candida biodinni, 116

Candida ipomoeae, 718

carbohydrate, 307, 386, 698 carbon dioxide, 819

carbon source utilization, 499

carbon sources, 231

catabolism, 42

cations, 251

CD1 mice, 800

Ceanothus, 140

cell culture, 598

cell cycle, 448

cell envelope, 582

cell surface, 1161 cell volume distribution, 399

cell wall, 238, 789

cell wall hydrolytic enzyme, 989

Cellulomonas cellulans, 238

cellulose, 221

cereal grain, 471

chemical inactivation, 959

chitin, 575

chitinase, 121, 646

chloramphenicol transacetylase, 1186

chlorination, 588

chlorobenzoate, 482

chlorobiphenyl, 42

chloroorganics, 537 chondroitinase, 423

Chromatiaceae, 974

chromosomal duplication, 1037

chromosomal polymorphism, 959

Claviceps purpurea, 80

clinical, 103

cloning, 364

Clostridium, 759

Clostridium difficile, 157

coatings, 954

coinoculation, 980

colonization, 528, 980

colorimetry, 575 community, 588

community functioning, 913

competition, 630, 753, 795, 980

complementation studies, 91

computer analysis, 1183

condensed thiophenes, 605

conductivity, 190 confocal microscopy, 825

conjugation, 259

Convolvulaceae, 279

cotton, 676

crop rotation, 162 crude oil, 195

Cryptosporidium, 1154

cyanobacteria, 128

cyclic AMP, 6 cytochemistry, 221 Daucus carota L., 221 dechlorination, 1142 decomposing polysaccharide, 789 deep-sea, 723 deferrioxamine B, 521 degradation, 364 2,4-D-degrading bacteria, 920 dehalogenase, 537 denitrification, 181 dental unit waterlines, 1019 Dermacoccus nishinomiyaensis, 1007 Desulfovibrio, 1060 detection, 482, 1102 development, 50 dextransucrase, 852 DHN melanin, 1115 diazotrophic endophytes, 12 dibenzothiophene, 289, 605 2,4-dichlorophenol hydroxylase, 920 2.4-dichlorophenoxyacetate, 482 2,4-dichlorophenoxyacetic acid, 920 digital image analysis, 623 dihydropyrimidine dehydrogenase, 1106 1,4-dihydroxy-2,5-dimethoxy-9,10anthraquinone, 1072 dioxygenase, 42 disease supression, 528 disinfection, 1154 diversity, 588 DNA, 1148 DNA bending, 405 DNA enzyme immunoassay, 298 DNA fingerprinting, 1183 DNA hybridization, 1148 DNA methylation, 1037 DNA sequencing, 56 DNA typing, 1066 domoic acid, 456 double-stranded RNA, 569 drinking water, 1019 drug resistance, 186 E. coli O157:H7, 800 ecological niche, 630 ectomycorrhiza, 499 electrophoretic karyotyping, 1045 electroplated coatings, 441 elimination, 456 emulsification, 330 endoglucanase, 364 endophyte, 80, 844, 980 endophytic, 162 endophytic fungi, 1003 δ-endotoxin, 259 enteric bacteria, 565 Enterococcus casseliflavus, 20

m-enterococcus medium, 998

entomopathogenic fungi, 886

enterovirus, 190, 598

environmental protection, 168 enzyme immunoassay, 382 enzyme inactivation, 465 enzyme kinetics, 42 enzyme production, 872 enzyme purification, 493 Epichloë, 231 epidemiology, 1183 ergot, 80 ergotamine, 80 Erwinia carotovora, 777 Escherichia coli, 28, 378, 588, 1106 esterase, 1171 ethylene, 833 ethyl esters, 1171 Euplotes, 623 excretion, 238 exopolymers, 825 expression, 259, 1012 expression libraries, 313 exudates, 929 faecal pollution, 1066 faecal shedding, 800 faecal streptococci, 998 FAME, 844 fatty acid, 386, 1051 fermentative bacteria, 637 fermentative homolactic bacterium, 20 fermented milk, 1029 ffs gene, 91 filamentous fungus, 270, 945 fire blight, 657 fitness, 351 Fix Nod strains, 140 flagella, 1161 flocculation, 386 flow cytometry, 448 fluorene, 734 9-fluorenone, 734 food, 103 Frankia, 140, 490 freezing tolerance, 64 fructose-2,6-bisphosphate, 6 ftsX-rpoH, 565 fungal growth, 872 fungal inhibitor, 390 fungal melanin, 1115 fungal transformation, 1137 fungicidal, 514 Fusarium spp., 514 Fusaruim chlamydosporum, 646 fusion protein, 657 gallic acid, 905 gellan gum, 1 gene inactivation, 1037 gene probes, 537 gene regulation, 50

genetic variability, 1094

genetics, 201

genetical taxonomy, 1045

geographic speciation, 279 glucanase, 989 gluconeogenesis control, 6 Gluconobacter oxydans, 149 glucosamine, 575 glucose insensitive, 493 glucosyltransferase, 852 glutamyl-tRNA synthetase overproduction, glycogen, 1193 glycolipid, 238 glycosaminoglycan, 423 Graphium, 270 grass endophytes, 231 grazing, 623 growth, 866 guanidine, 702 gut, 20 gut-associated lymphoid tissue, 1177 halophilic bacteria, 637 halotolerant bacteria, 95 heat shock, 565 heavy metals, 825 HeLa cells, 430 Helicobacter pylori, 201 Helix aspersa, 20 hemolytic uremic syndrome, 28 HEp-2, 244 heparinase, 423 hepatitis A virus, 298 heterocyclic amines, 109, 1029 heterologous transformation, 487 Heterorhabditis megidis, 1072 heterotrophic nitrification, 723 Hibiscus, 279 HPLC analysis, 547 hsp transcription, 341 hsp translation, 341 human coronavirus 229E, 1012 hydrocarbon degradation, 270 hydrogen peroxide, 87, 441 hydroperoxides, 465 hydrophobicity, 330 hydrothermal vents, 723 1-hydroxy-2,6,8-trimethoxy-9,10anthraquinone, 1072 hypersaline environments, 95 hyperthermic recovery, 341 Hyphomicrobium, 181 hypovirulence, 477 ice-nucleation protein, 64 immunodiagnostics, 1161 immunogenicity, 1012 inactivation, 190 induction-derepression, 1078 inhibitory ability, 441 initial renaturation method, 1148 interference, 149 interspecies hybrid, 959 intracellular pathogens, 430

invasion, 896 invasion mechanisms, 430 IS50 1110 ISA (isolate sample assay), 913 isolate sample assay, 211 isolation, 490 kidney bean, 1094 kinetics, 743 Klebsiella pneumoniae, 186 Kytococcus sedentarius, 1007 laccase, 676 lactic acid bacteria, 109 lactobacilli, 866 leaves, 1003 Legionella pneumophila, 430 Leptosphaeria maculans, 547 leuconostocs, 807 levansucrase, 852 lignin biodegradation, 676 lignite carbonization, 211 lignite-carbonization wastewater, 913 lignocellulose, 364 lipid, 386 lipopolysaccharide, 477, 582 long primers, 298 M13 fingerprinting, 175 mangrove, 1003 marine bacteria, 251 marine waters, 598 mastigonemes, 1161 medium-chain fatty acids, 1171 melanin analysis, 1115 melanin degradation, 1115 melanin properties, 1115 membrane peptide, 692 membranes, 937 mesocosm, 211 metabolism, 819, 1193 metal resistance, 186 metals, 128 methanogen, 652 Methanosarcina, 1142 method, 795 Metschnikowia, 279 microaerophile, 87 microbial consortium, 734 microbial corrosion, 1060 microbial metabolism, 605 microcin H47, 692 microcin immunity, 692 Microdochium nivale, 1051 microplate method, 1148 microscopy, 1193 mill effluents, 537 mineralization, 681, 743 miso, 109 mitotic instability, 1137 Mn²⁺, 759

mold, 471

molecular systematics, 965

monensine, 937 monensins, 1007 monitoring, 998 monoclonal antibody, 920, 1161 Mucor, 390 multiresistant, 356 mushroom disease, 373 mutagen, 109 mutant, 1106 mycoparasite, 989 mycovirus, 569 naphthalene, 1086 Neisseria meningitidis, 56 Neocallimastix, 819 Neosartorva, 569 Neotyphodium, 231 Neotyphodium coenophialum, 80 neurotoxin, 456 new species, 718 new yeast species, 965 Newcastle disease virus, 702 nif genes, 929 nif H, 140 nitrate reductase, 487 nitrification, 181 nitrogen fixation, 181 nitrogen sources, 231 Nitrosomonas europaea, 399 Nocardia corallina, 687 nodule occupancy, 795 nonagglutinating fimbriae, 896 nonionic surfactants, 195 nonstructural protein, 1012 nosocomial pathogens, 1019 ns4b protein, 1012 nuclear magnetic resonance spectroscopy, nucleotide sequence, 42 nutrients, 866 oak exudates, 1045 octadecane uptake, 681 Oerskovia xanthineolytica, 238 Ophiostoma piceae, 698 oral streptococci, 1078 ortho cleavage, 482 outer membrane protein, 56, 582 oxolinic acid - esculin - azide medium, oxygen, 819 oxygen tolerance, 87 PAH, 1086 pathogenic bacteria, 441 pBluescript, 351 pcpB gene, 667 PCR, 537, 1102 pectic enzymes, 116 pectic substances, 116 pectin, 221 pectin utilization, 116 Penicillium griseoroseum, 487

pentachlorophenol, 667 pentachlorophenol-4-monooxygenase, 667 peptides, 514 Peptostreptococcus, 303 periplasmic protein, 186 peroxidase, 87, 364 Petromyces, 569 PGPR, 833, 980 PHA, 554 phage display, 313 PHB, 386, 554 phbC, 554 phenanthrene, 743 phenols, 211 phenotypic variation, 373 phoA gene fusion, 692 Phoma lingam, 547 phomalide, 547 phosphofructokinase II (PFK II), 6 phosphoglycerate mutase, 759 phospholipid transfer protein, 945 phospholipids, 1051 Photorhabdus luminescens, 1072 phylogenesis, 1007 physiologically heterogeneous populations, 399 phytotoxin, 768 pIC9, 364 Pichia pastoris, 364 pigment, 1072 pIII, 313 pili, 307 plant growth promoting, 162 plant growth-promoting bacteria, 168 plant growth-promoting rhizobacteria, 64, 528, 833 plant growth promotion, 528 plant inoculation, 168 plasmid, 186, 351 plasmid pUB110, 1186 plasmid type, 1183 Pleurotus ostreatus, 676 pokeweed antiviral protein, 702 poliovirus, 35 poly-β-hydroxybutyrate, 386, 554 polycyclic aromatic hydrocarbons, 743 polyester, 687 polyhydroxyalkanoates (PHAs), 687 polyketide melanin, 1115 polymerase chain reaction, 12, 175, 807 polysaccharide, 954, 1029 polysaccharide lyase, 423 population dynamics, 399 PorA. 56 Porphyra, 789 postexponential gene expression, 1186 postharvest, 471 potato, 777 potato scab, 768 production, 886

prokaryotic genetics, 91 promoter-lacZ fusion, 405 protein, 386, 698 protein receptors, 28 proteinase, 698 proteolytic activity, 303 proteolytic enzymes, 157 Proteus mirabilis, 896 Pseudomonas aeruginosa, 307 Pseudomonas fluorescens, 399 Pseudomonas sp., 528 Pseudomonas syringae, 394 Pseudomonas tolaasii, 373 Puccinia arachidis, 646 nullulan, 954, 1193 purification, 646 purple nonsulfur bacteria, 974 purple sulfur bacteria, 974 pVIII, 313 Pythium, 221 quantitative RT-PCR, 35 R type, 477 radial hyphal growth, 390 RAPD, 211, 1094 rat gut. 1094 rcsA-like activator, 657 rDNA, 140, 718, 807, 1102 recA gene, 149 recombinant DNA, 1110 recombination, 149 reductive pathway, 1106

regulation, 707 resting cell, 394 reverse transcription polymerase chain reaction, 298 Rhizobium, 289, 382, 582, 1102 Rhizobium meliloti, 554 Rhizoctonia solani, 989 Rhizophora apiculata, 1003 Rhizophora mucronata, 1003 rhizosphere, 630, 844 Rhodococcus, 330 ribavirin, 702 ribosomal DNA, 965 ribosome-binding site, 1186 ribotyping, 175 river, 588 rrn operons, 807 RT-PCR, 598 rumen, 905 rumen fungi, 819 16S rDNA, 140 23S, 807 S layer, 244 Saccharomyces paradoxus, 1045

saline stress, 416, 929

Salmonella, 1183

Salmonella typhi, 356 salts, 251 Scedosporium, 270 Sclerotium rolfsii, 937 Scots pine, 499 seawater, 35 seaweed alginate, 394 segmented filamentous bacteria, 1177 selective isolation, 1 Selenomonas, 905 seminested PCR, 298 serine hydroxymethyltransferase, 652 sewage, 35 siderophore degradation, 521 siderophores, 521 sigma, 32, 565 sigma factor, 707 single-spore cultures, 490 sirodesmin PL, 547 small intestine, 1177 small RNA, 91 snail, 20 snow mold, 1051 soft rot, 575 soil bacteria, 499, 833 Solanum, 162 Solanum tuberosum, 852 sole-carbon-source utilization, 913 SOS function, 149 souring, 1060 soybean, 795 spacer regions, 807 Spain, 103 specific rRNA-targeting oligonucleotides, Sphingomonas chlorophenolica, 667 sporulation, 259, 759

specific rRNA-targeting oligonucle 12

Sphingomonas chlorophenolica, 66
Spirillum volutans, 87
spores, 954
sporulation, 259, 759
Stachybotrys elegans, 989
starvation, 351, 707
sterols, 514
storage, 471
Streptococcus pneumoniae, 448
Streptococcus uberis, 784
Streptomyces, 364
Streptomyces cinnaminensis, 1007
Streptomyces coelicolor, 121
Streptomyces halstedii, 121
stress, 351

styryl ketones, 74 subcellular fractionation, 945 subtyping, 56 sucrase, 852 sugar utilization, 974 sulfate reduction, 1060 survival, 1154 susceptibility test, 74 synergy, 702 syringe filter, 382 tannic acid. 905 tannin, 905 taxonomy, 95 temperature gradient gel electrophoresis (TGGE), 140 tetrachloroethylene, 1142 tetrahydrofolate, 652 tetrahydromethanopterin, 652 thaxtomin A. 768 thermophilic bacteria, 637, 723 thermostable glucoamylase, 493 thermotolerance, 341 Tn5, 1110 tomato, 528 toxicity, 378, 605, 1171 transcription, 707 transcriptional promoter, 1186 transformation, 186 transgenic, 844 translation 707 transport, 1086 trehalose, 341 Trifolium, 162, 1102 triglycerides lipase, 698 Triticum spp., 844 two-dimensional gels, 50 Ty elements, 1045 typing, 356 ultrasound, 116 ultrastructural localization, 945 ultrastructure, 128 unidirectional hyphal growth, 390 uracil catabolism, 1106 uredospores, 646 uropathogens, 866 utility poles, 575 verotoxin, 28 Verticillium dahliae, 528 Verticillium lecanii, 886 viable but nonculturable, 910 Vibrionaceae, 251 virulence, 201 vnfA, 405 vnfH, 405

water, 103, 998

white rot fungi, 872

wood-decay fungi, 575

yeast protoplast fusion, 959

Yersinia pestis, 477ACC, 833

yellow-pigmented enterococci, 1066

yeast, 279, 718, 1171

white rot, 676

